Priority in Service Quality

CABLE TV SYSTEMS

Model CA-62B CATV MODULATOR

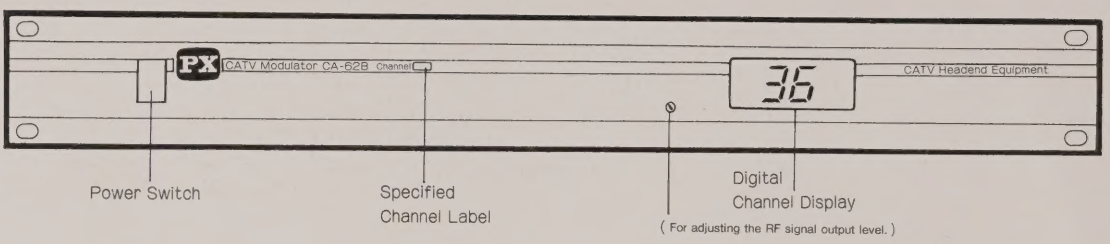
Microprocessor Controlled
Double PLL Patent design

CA-62B

FEATURES:

1. The CA-62B CATV Modulator is ideally suited as a headend modulator for Satellite TV System, Hotel TV System and all CATV Systems.
2. Advanced microprocessor control and Double PLL patent design to ensure state-of-the-art performance and reliability.
3. High isolation, prevents interference or "ghosting" when adjacent channels are used.
4. Built-in amplifier to get Max.output level 100dBμ.
5. Separated Video/Audio/RF output level control to present the best picture & audio quality.
6. Built-in advanced voltage regulation circuit to make best performance.
7. All standard VHF and CATV channels Available for ordering.
8. Digital LED channel display.

INSTALLATION



CA-62B Output Channel Chart (NTSC SYSTEM)

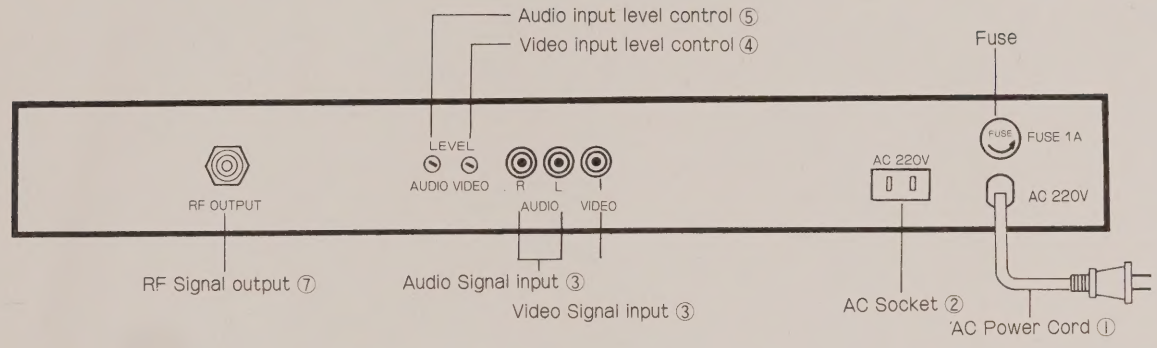
Channel Indicator	Channel No.	Video (MHz)	Audio (MHz)
02	2	55.25	59.75
03	3	61.25	65.75
04	4	67.25	71.75
05	5	77.25	81.75
06	6	83.25	87.75
07	7	175.25	179.75
08	8	181.25	185.75
09	9	187.25	191.75
10	10	193.25	197.75
11	11	199.25	203.75
12	12	205.25	209.75
13	13	211.25	215.75
14	A	121.25	125.75
15	B	127.25	131.75
16	C	133.25	137.75
17	D	139.25	143.75
18	E	145.25	149.75
19	F	151.25	155.75
20	G	157.25	161.75
21	H	163.25	167.25
22	I	169.25	173.75
23	J	217.25	221.75
24	K	223.25	227.75
25	L	229.25	233.75
26	M	235.25	239.75
27	N	241.25	245.75
28	O	247.25	251.75
29	P	253.25	257.75
30	Q	259.25	263.75
31	R	265.25	269.75
32	S	271.25	275.75
33	T	277.25	281.75
34	U	283.25	287.75
35	V	289.25	293.75
36	W	295.25	299.75
37	AA	301.25	305.75
38	BB	307.25	311.75
39	CC	313.25	317.75
40	DD	319.25	323.75
41	EE	325.25	329.75
42	FF	331.25	335.75
43	GG	337.25	341.75
44	HH	343.25	347.75
45	I I	349.25	353.75
46	JJ	355.25	359.75
47	KK	361.25	365.75
48	LL	367.25	371.75
49	MM	373.25	377.75
50	NN	379.25	383.75
51	OO	385.25	389.75
52	PP	391.25	395.75
53	QQ	397.25	401.75

CA-62B Output Channel Chart (PAL B SYSTEM)

Channel Indicator	Channel No.	Video (MHz)	Audio (MHz)
02	2	48.25	53.75
03	3	55.25	60.75
04	4	62.25	67.75
05	5	175.25	180.75
06	6	182.25	187.75
07	7	189.25	194.75
08	8	196.25	201.75
09	9	203.25	208.75
10	10	210.25	215.75
11	11	217.25	222.75
12	12	224.25	229.75
13	S3	119.25	124.75
14	S4	126.25	131.75
15	S5	133.25	138.75
16	S6	140.25	145.75
17	S7	147.25	152.75
18	S8	154.25	159.75
19	S9	161.25	166.75
20	S10	168.25	173.75
21	S11	231.25	236.75
22	S12	238.25	243.75
23	S13	245.25	250.75
24	S14	252.25	257.75
25	S15	259.25	264.75
26	S16	266.25	271.75
27	S17	273.25	278.75
28	S18	280.25	285.75
29	S19	287.25	292.75
30	S20	294.25	299.75
31	S21	303.25	308.75
32	S22	311.25	316.75
33	S23	319.25	324.75
34	S24	327.25	332.75
35	S25	335.25	340.75
36	S26	343.25	348.75
37	S27	351.25	356.75
38	S28	359.25	364.75
39	S29	367.25	372.75
40	S30	375.25	380.75
41	S31	383.25	388.75
42	S32	391.25	396.75
43	S33	399.25	404.75
44	S34	407.25	412.75
45	S35	415.25	420.75
46	S36	423.25	428.75
47	S37	431.25	436.75
48	S38	439.25	444.75
49	S39	447.25	452.75
50	S40	455.25	460.75
51	S41	463.25	468.75

(Note: CA-62B output is single channel, specify channel desired when ordering)

CA-62B Functions in the Rear Panel



CA-62B Connection and Adjustment

1. Plug the AC Power Cord into the AC outlet.
2. The AC Socket may supply paralleled AC power source for another unit plug in. (not through the inner fuse and power switch)
3. The Video Signal input and Audio Signal input terminals for connect with Satellite Receiver ,VCR. Laser Disc or any other AV output devices. Audio (R,F) are provided for stereo input, if Audio is for MONO system, it may connect with either R or L.
4. The VIDEO LEVEL Control is used for adjusting the Video Signal input level.
5. The AUDIO LEVEL Control is used for adjusting the Audio Signal input level.
6. The RF LEVEL Control is used for adjusting the RF Signal output level.
7. The RF OUTPUT terminal is to connect CA-62B output with system combiner (CN-450).

Note: CA-62B has to be equiped in a 19 inches standard equipment cabiner (CA-100), also in an air-conditioned and well ventilated room.

CA-62B Accessories:

1. RF Cable·····1 Pc. (For CA-62B RF Output to connect with System Combiner CN-450)
2. AV Cable·····1 Pc. (For CA-62B Video/Audio input to connect with Satellite Receiver. VCR or other AV Devices)
3. Channel Frequency Chart for stick on CA-62B or equipment cabinet.

CA-62B CATV MODULATOR

SPECIFICATION:

VIDEO	Input Type	Composite PAL or NTSC
	Input Level	1V P-P ±10% (For 75% ±10% modulation)
	Max. Video Modulation Depth	87.5% (Input level at 1V P-P)
	Differential Gain	DG 5%
	Differential Phase	DP 5° max
	Video to Noise Ratio	50 dB nom.
	Frequency Response	±1 dB (30Hz – 5MHz)
	Video Input Impedance	75Ω

AUDIO	Audio Input Level	0.45V ±10% (For 30 – 46K modulation)
	Audio Input Impedance	47K
	Audio to Noise Ratio	50 dB nom
	Frequency Response	±1.5 dB (50 Hz – 15KHz)

RF	Output Channel PAL B: NTSC :	CH2 – CH12, CH S3 – CH S41 CH2 – CH13, CH14 – CH69 (Any standard VHF and CATV channels)
	Output Level	+40 dBmV (100 dBμV)
	Output level Control Range	10 dB Continuously Variable
	Video to Audio Carrier Ratio	20 ±2 dB
	Frequency Accuracy	± 20 KHz
	Spurious Modulation	>65 dB (47 – 450 MHz)
	Output Impedance	75 Ω
	VSWR (output)	1.3 – 1.5 nom.

GENERAL	Temperature Range	5°C – 40°C
	Dimensions	480(W)×292(D)×56(H)mm
	Weight	3.7 kg
	Power Requirements	AC 220V±10%/50Hz or AC 110V±10%/60Hz, 15W